

# Laser Safety Systems



Your Engineered Laser  
Safety Solution

**Purpose:** Module is used to arm and disarm the laser room interlock. Local Laser relay modules (LSS2384) cannot arm unless the room is armed by this module.



Front



Rear



Side

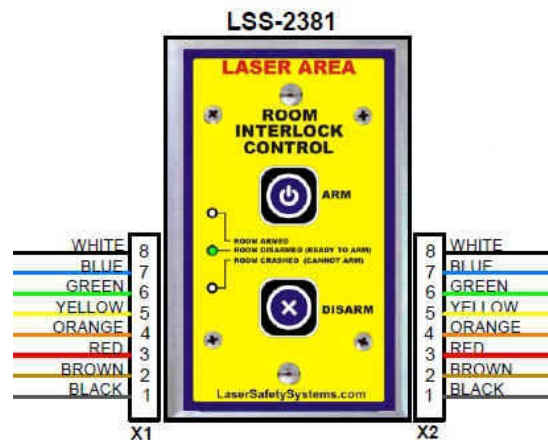
**Dimensions:** Width 2.8 inches Height 4.53 inches Depth in box 0.5 inches

**Packaged weight:** 110 grams

**Typical installation location:** Near laser table at approximately 4 feet AFF, or above laser table on utility shelf. Some clients install near entryway.

**Typical mounting:** This module can be surface mounted in a single-gang outlet box or it can mount flush to wall surface using a new-work or old-work single-gang outlet box.

**Typical connection schematic:**



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**Technical Data**


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**Electrical**


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Voltage	24VDC
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Current consumed	11mA
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per LSS2381 module

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Endurance	20,000 cycles minimum
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**Mechanical**


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Terminal Accommodations	#22 AWG – #16 AWG
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Environmental	Indoor usage
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Flammability	UL94 V0
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Operating Temperature	Maximum continuous +50°C, minimum -15°C
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**Materials**


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Back Body	FR4 PCB
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Front Body	Powder coated Steel
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Label	Printed Polycarbonate F150
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Label Adhesive	3M type 467
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Terminal Screws	Steel, galvanized with Cr3+ plating
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Terminal Contacts	Nickel-Plated copper alloy
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Rear body plastics:	Polyamide (UL94V-0)
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Relay materials	Polyamide, Copper, Nylon, Steel
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Solder (thru hole)	Lead Free K100LD (Kester)
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Solder (paste)	Lead Free Sn42/Bi57.6/Ag0.4
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Screws	Stainless Steel
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Spacers	Nylon or aluminum
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Nuts	Zinc-Plated steel with nylon insert
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### **3rd Party Compliance**

LSS-2381 is exempted from inspection under UL 508A section 43.2.1 due to its low-voltage power-limited status.

Module meets UL94V-0 Flammability standard.

Module is part of an overall system certified to fulfill the electrical interlock requirements of ANSI Z136.1-2014 for the safe use of lasers and Article 330 of NFPA 70E

### **Warranty**

3 Year

### **Part number for Ordering**

LSS-2381 or LSS2381

### **Additional information**

LSS2381 specific operation information is located on page 5 of the overall system user manual located at :  
[https://www.lasersafetysystems.com/Laser\\_Safety\\_Systems\\_user\\_manual.pdf](https://www.lasersafetysystems.com/Laser_Safety_Systems_user_manual.pdf)

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